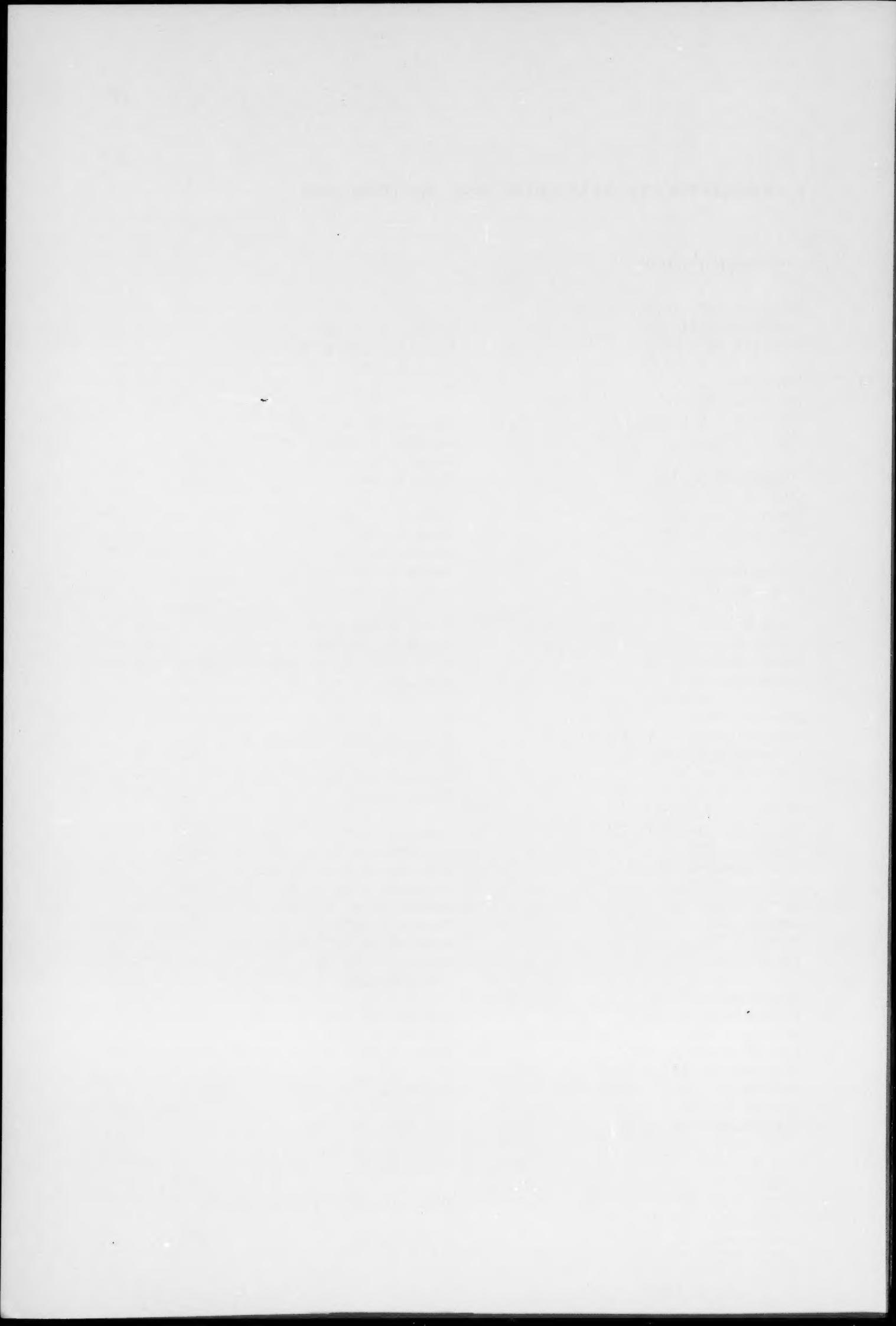


**CARBOHYDRATE RESEARCH, VOL. 195 (1989/1990)**

---

**AUTHOR INDEX**

- ABBES, O., 187  
 ACQUOTTI, D., 51  
 AZUMA, I., 59
- BAER, H. H., 225  
 BOSSENNEC, V., 157  
 BRUGGHE, H. F., c1  
 BRUZIK, K. S., 67
- CARLSON, R. W., 101  
 CASU, B., 157  
 CHOAY, J., 157, 169  
 COX, A. D., 123, 295
- DIMITRIJEVICH, S. D., 247  
 DONG, X., 39
- ENDO, T., 273
- FERRO, D. R., 157, 169  
 FRONZA, G., 51
- GARCI, F., 101  
 GILLIER-PANDRAUD, H., 187  
 GOODWIN, J. C., 150  
 GRACY, R. W., 247
- HASEGAWA, A., 59, 134  
 HERNÁNDEZ MATEO, F., 225  
 HIROMI, K., 138  
 HOLLINGSWORTH, R., 101
- IMAI, Y., 59  
 IRIE, M., 273  
 ISHIDA, H., 59  
 ITO, Y., 199
- KAMERLING, J. P., 75  
 KARTHA, K. P. R., 134  
 KATOH, H., 273  
 KING, S. E., 87  
 KIRSCHNER, G., 51  
 KISO, M., 59, 134  
 KOBATA, A., 273  
 KOCHETKOV, N. K., 11, 27
- LAY, H., 145  
 LEHMANN, J., 145  
 LINSKY, C. B., 247  
 LIPKIND, G. M., 11, 27  
 LONGCHAMBON, F., 187
- MAAS, A. A., 75  
 MARRA, A., 39, 303  
 MILER-SRENGER, E., 1  
 MORI, M., 199  
 MURASE, T., 134
- NECHAEV, O. A., 11, 27  
 NEUMAN, A., 187  
 NIEMELÄ, K., 131  
 NOEL, D., 101
- OGAWA, T., 199  
 OHGI, K., 273  
 OHNISHI, M., 138  
 OLSEN, C., 247  
 OXLEY, D., 111, 117
- PÉREZ, S., 187  
 PERLY, B., 157, 169  
 PETITOU, M., 39, 157, 169  
 PROVASOLI, A., 157
- RAGAZZI, M., 157, 169  
 RAVINDRANATHAN KARTHA, K. P., 134  
 REUTTER, W., 145  
 ROUZAUD, D., 187  
 RYDEN, P., 257
- SAKURAI, T., 59  
 SALAMÓŃCZYK, G. M., 67  
 SELVENDRAN, R. R., 87, 257  
 SHASHKOV, A. S., 11, 27  
 SHIBAEV, V. N., 11, 27  
 SIEMSEN, L., 225  
 SINAÝ, P., 39, 157, 169, 187, 303  
 SLAGHEK, T. M., 75  
 SONNINO, S., 51
- TATARKO, M., 247  
 TORGOV, V. I., 11, 27  
 TORRI, G., 157
- VAN BOOM, J. H., c1  
 VAN DEN ELST, H., c1  
 VAN VLIET, M. J., 75  
 VEENEMAN, G. H., c1  
 VLIEGENTHART, J. F. G., 75
- WILKINSON, S. G., 111, 117, 123, 295
- ZISER, L., 145



## CARBOHYDRATE RESEARCH, VOL. 195 (1989/1990)

### SUBJECT INDEX

- Access to [6-<sup>3</sup>H]-labelled L-galactose and L-fucose, an economical, 145
- N-Acetyl- $\alpha$ -neuraminosyl-galactose disaccharide derivatives, stereoselective synthesis of, using anomeric S-glycosyl xanthates, 303
- N-Acetylmuramyl dipeptide, dimer of 6-O-acylated, and analog, synthesis and immunoadjuvant activity, 59
- $\alpha$ -N-Acetylneuraminic acid-(2 $\rightarrow$ 6)-galactose, facile synthesis, 134
- Alkyl-substituted benzoquinones formed on the degradation of pectic acid with alkali, 131
- D-Allose, 3-amino-2,3,6-trideoxy-2-fluoro, synthesis, 225
- 2-Amino-2-deoxy-L-glucose, structure of the putative O-antigen containing, in the reference strain for *Pseudomonas cepacia* serogroup O1, 295
- Asparagine-linked sugar chains of bovine brain ribonuclease, 273
- 1-(Azidoaryl)amido- and 1-(azidoaryl)thio-1-deoxy-D-fructose analogs, preparation of, 150
- 6-Benzylamino-6-deoxy-1,2:3,4-di-O-isopropylidene-L-glycero- $\alpha$ -D-galacto-heptopyranurononitrile, conformation of the six- and five-membered rings in, 1
- Binding of maltose to *Rhizopus niveus* glucoamylase in the pH range where the catalytic carboxyl groups are ionized, 138
- Biodegradation of oxidized regenerated cellulose, 247
- Bovine brain ribonuclease, structure of carbohydrate of, 273
- Capsular polysaccharide of *Streptococcus pneumoniae* types 6A and 6B, synthesis of a selectively protected trisaccharide building block of the, 75
- Carboxyl groups, ionized, and the binding of maltose to *Rhizopus niveus* glucoamylase, 138
- Cellulose, oxidized regenerated, biodegradation of, 247
- Cell-wall component of *Haemophilus (Actinobacillus) pleuropneumoniae* serotype 2, solid-phase synthesis of a, c1
- Cell-wall polysaccharides of the parchment layers of the pods of mature runner beans, structural features of the, 87
- Conformation of the pentasaccharide corresponding to the binding site of heparin for Antithrombin III, 69
- Conformation of the six- and five-membered rings in 6-benzylamino-6-deoxy-1,2:3,4-di-O-isopropylidene-L-glycero- $\alpha$ -D-galacto-heptopyranurononitrile, 1
- Conformations of branched trisaccharide methyl  $\beta$ -glycosides that contain a 2,3-disubstituted galactose residue, nuclear Overhauser effects and, 27
- Conformations of branched trisaccharide methyl  $\beta$ -glycosides that contain a 3,4-disubstituted galactose residue, nuclear Overhauser effects and, 11
- Conformer populations of L-iduronic acid residues in glycosaminoglycan sequences, 157
- Core components from *Rhizobium leguminosarum* biovar *phaseoli* CE3 and two of its symbiotic mutants, CE109 and CE309, the structures of the lipopolysaccharide, 101
- Crystal structure and molecular modelling of "methyl C-gentiobioside", 187
- L-Daunosamine, (R)-2-fluoro, synthesis, 225
- Degradation of pectic acid with alkali, formation of alkyl-substituted benzoquinones on the, 131
- Dermatan sulfate, synthesis of disaccharide fragments of, 39
- 2,2'-O-[2,2'-Diacetamido-2,3,2',3'-tetra-deoxy-6,6'-di-O-(2-tetradecylhexadecanoyl)- $\alpha$ , $\alpha'$ -trehalos-3,3'-diyl]bis(N-D-lactoyl-L-alanyl-D-isoglutamine, synthesis and immunoadjuvant activity, 59
- Dilactone derivative of GD1b ganglioside, synthesis, structure, and conformation of the, 51
- Disaccharide derivatives, a stereoselective synthesis of N-acetyl- $\alpha$ -neuraminosyl-galactose, 303
- Disaccharide fragments of dermatan sulfate, synthesis of, 39
- Enantiomeric 1,4,5,6-tetra-O-benzyl-myoinositol, synthesis of the, 67
- D-Fructose analogs, preparation of 1-(azidoaryl)amido- and 1-(azidoaryl)thio-1-deoxy-, 150

- L-Fucose, an economical access to [ $6^3\text{H}$ ]-labelled L-galactose and, 145
- L-Galactose and L-fucose, an economical access to [ $6^3\text{H}$ ]-labelled, 145
- Ganglioside, synthesis, structure, and conformation of the dilactone derivative of GD1b, 51
- Glycosaminoglycan sequences, conformer populations of L-iduronic acid residues in, 157
- Glycosphingolipids of the molluseries, total synthesis, 199
- Glycosyl ceramides of the molluseries, total synthesis, 199
- Haemophilus (Actinobacillus) pleuropneumoniae* serotype 2, solid-phase synthesis of a cell-wall component of, c1
- Heparin, conformation of the pentasaccharide corresponding to the binding site for Antithrombin III in, 169
- L-Iduronic acid residues in glycosaminoglycan sequences, conformer populations of, 157
- Immunoadjuvant activity of a dimer of 6-O-acylated N-acetylmuramyl dipeptide, and analog, 59
- Inositol, synthesis of the enantiomeric 1,4,5,6-tetra-O-benzyl-myo-, 67
- [ $6^3\text{H}$ ]-Labelled L-galactose and L-fucose, an economical access to, 145
- Lipopolysaccharide core components from *Rhizobium leguminosarum* biovar *phaseoli* CE3 and two of its symbiotic mutants, CE109 and CE309, the structure of the, 101
- Lipopolysaccharide of the reference strain for *Serratia marcescens* serogroup O18, structure of a neutral polymer isolated from the, 111
- Lipopolysaccharide of the reference strain for *Serratia marcescens* serogroup O24, structure of the O-specific galactan from the, 117
- Lipopolysaccharides of the reference strains for *Pseudomonas cepacia* serogroups O3 and O5, structure of the O-specific polymers from the, 123
- "Methyl C-gentiobioside", crystal structure and molecular modelling of, 187
- Molecular modelling and crystal structure of "methyl C-gentiobioside", 187
- Mollu-series glycosyl ceramides,  $\alpha$ -D-Manp-(1 $\rightarrow$ 3)- $\beta$ -D-Manp-(1 $\rightarrow$ 4)- $\beta$ -D-GlcP-(1 $\rightarrow$ 1)-Cer and  $\alpha$ -D-Manp-(1 $\rightarrow$ 3)-[ $\beta$ -D-Xylp-(1 $\rightarrow$ 2)]- $\beta$ -D-Manp-(1 $\rightarrow$ 4)- $\beta$ -D-GlcP-(1 $\rightarrow$ 1)-Cer, total synthesis, 199
- Nuclear Overhauser effects and conformations of branched trisaccharide methyl  $\beta$ -glycosides that contain a 2,3-disubstituted galactose residue, 27
- Nuclear Overhauser effects and conformations of branched trisaccharide methyl  $\beta$ -glycosides that contain a 3,4-disubstituted galactose residue, 11
- Parchment layers of the pods of mature runner beans, structural features of the cell-wall polysaccharides of the, 87
- Pectic acid, formation of alkyl-substituted benzoquinones on the degradation with alkali of, 131
- Pentasaccharide corresponding to the binding site of heparin for Antithrombin III, conformation of the, 169
- Polysaccharides of potato (*Solanum tuberosum*), structural features of cell-wall, 257
- Potato (*Solanum tuberosum*), structural features of cell-wall polysaccharides of, 257
- Preparation of 1-(azidoaryl)amido- and 1-(azidoaryl)thio-1-deoxy-D-fructose analogs, 150
- Pseudomonas cepacia* serogroups O3 and O5, structures of the O-specific polymers from the lipopolysaccharides of the reference strains for, 123
- Pseudomonas cepacia* serogroup O1, structure of the putative O-antigen containing 2-amino-2-deoxy-L-glucose in the reference strain for, 295
- Rhizobium leguminosarum* biovar *phaseoli* CE3 and two of its symbiotic mutants, CE109 and CE309, the structures of the lipopolysaccharide core components from, 101
- Rhizopus niveus* glucoamylase in the pH range where the catalytic carboxyl groups are ionized, binding of maltose to, 138
- Ribonuclease, structure of carbohydrate of bovine brain, 273
- D-Ristosamine, (R)-2-fluoro, synthesis, 225
- Runner beans, structural features of the cell-wall polysaccharides of the parchment layers of the pods of mature, 87
- Serratia marcescens* serogroup O18, structure of a neutral polymer isolated from the lipopolysaccharide of the reference strain for, 111
- Serratia marcescens* serogroup O24, structure of the O-specific galactan from the lipopolysaccharide of the reference strain for, 117
- 6-O-Sialylation following stannylene activation of an unprotected D-galactopyranoside, 134
- Solid-phase synthesis of a cell-wall component of *Haemophilus (Actinobacillus) pleuropneumoniae* serotype 2, c1
- Stereoselective synthesis of N-acetyl- $\alpha$ -neuraminosyl-galactose disaccharide derivatives, using anomeric S-glycosyl xanthates, 303

- Streptococcus pneumoniae* types 6A and 6B, synthesis of a selectively protected trisaccharide building block of the capsular polysaccharide of, 75
- Structural features of cell-wall polysaccharides of potato (*Solanum tuberosum*), 257
- Structure of a neutral polymer isolated from the lipopolysaccharide of the reference strain for *Serratia marcescens* serogroup O18, 111
- Structure of 6-benzylamino-6-deoxy-1,2:3,4-di-*O*-isopropylidene-L-glycero- $\alpha$ -D-galacto-heptopyranurononitrile: conformation of the six- and five-membered rings, 1
- Structure of the putative O-antigen containing 2-amino-2-deoxy-L-glucose in the reference strain for *Pseudomonas cepacia* serogroup O1, 295
- Structure of the O-specific galactan from the lipopolysaccharide of the reference strain for *Serratia marcescens* serogroup O24, 117
- Structures of the O-specific polymers from the lipopolysaccharides of the reference strains for *Pseudomonas cepacia* serogroups O3 and O5, 123
- Synthesis of a selectively protected trisaccharide building block of the capsular polysaccharide of *Streptococcus pneumoniae* types 6A and 6B, 75
- Synthesis of disaccharide fragments of dermatan sulfate, 39
- Synthesis of the enantiomeric 1,4,5,6-tetra-*O*-benzyl-myoinositol, 67
- Synthesis, structure, and conformation of the di-lactone derivative of GD1b ganglioside, 51
- L-Talose, 3-amino-2,3,6-trideoxy-2-fluoro, synthesis, 225
- Trisaccharide methyl  $\beta$ -glycosides that contain a 2,3-disubstituted galactose residue, nuclear Overhauser effects and conformations of, 27
- Trisaccharide methyl  $\beta$ -glycosides that contain a 3,4-disubstituted galactose residue, nuclear Overhauser effects and conformations of branched, 11

